

Chapter 10

Use with Section 3

REINFORCEMENT**• Theory of Plate Tectonics***Use the words in the box to fill in the blanks.*asthenosphere
convection currentlithosphere
plates

plate tectonics

- The theory of _____ states that Earth's crust and upper mantle are broken into sections.
- These sections, called _____, are composed of the crust and a part of the upper mantle.
- The crust and upper mantle are called the _____.
- Beneath this layer is the plasticlike _____.
- Many scientists think hot plasticlike rock is forced upward toward the surface, cools, and sinks. This process is called a _____ current.

Four diagrams are shown in the table below. Explain each diagram to complete the table.

Diagram	Type of boundary and motion at boundary	Diagram	Type of boundary and motion at boundary
6. 		8. 	
7. 		9. 	